

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR2004/002416

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C30B25/18 C30B29/40 H01L21/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 246 233 A (HITACHI CABLE ; NIPPON ELECTRIC CO (JP)) 2 October 2002 (2002-10-02) examples 8,11	26
A	WO 96/41906 A (ADVANCED TECH MATERIALS) 27 December 1996 (1996-12-27)	1-5
X	page 12, line 26 - page 3, line 3	26
A	US 2001/022154 A1 (KANG SANG KYU ET AL) 20 September 2001 (2001-09-20) the whole document	1,14
A	EP 1 245 702 A (HITACHI CABLE ; NIPPON ELECTRIC CO (JP)) 2 October 2002 (2002-10-02) cited in the application	
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- *&* document member of the same patent family

Date of the actual completion of the International search

21 March 2005

Date of mailing of the International search report

30/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Cook, S

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2004/002416

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 041 610 A (SUMITOMO ELECTRIC INDUSTRIES) 4 October 2000 (2000-10-04) cited in the application	
A	US 5 919 305 A (SOLOMON GLENN S) 6 July 1999 (1999-07-06) cited in the application	
A	US 6 559 075 B1 (BRANDT MARTIN ET AL) 6 May 2003 (2003-05-06) cited in the application	
A	WO 03/062507 A (MAZURE CARLOS ; GHYSELEN BRUNO (FR); LETERTRE FABRICE (FR); S O I TEC) 31 July 2003 (2003-07-31) cited in the application	
A	US 2002/182889 A1 (MILLER DAVID J ET AL) 5 December 2002 (2002-12-05) cited in the application	
A	US 6 071 795 A (CHEUNG NATHAN W ET AL) 6 June 2000 (2000-06-06) cited in the application	
A	US 6 146 457 A (SOLOMON GLENN S) 14 November 2000 (2000-11-14)	
A	US 2003/024472 A1 (GALLAGHER JOHN JOSEPH ET AL) 6 February 2003 (2003-02-06)	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/002416

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1246233	A	02-10-2002	JP CN EP TW US	2003178984 A 1378237 A 1246233 A2 533607 B 2002197825 A1	27-06-2003 06-11-2002 02-10-2002 21-05-2003 26-12-2002
WO 9641906	A	27-12-1996	WO	9641906 A1	27-12-1996
US 2001022154	A1	20-09-2001	US US	6372041 B1 2002096674 A1	16-04-2002 25-07-2002
EP 1245702	A	02-10-2002	JP CN EP TW US	2002284600 A 1378238 A 1245702 A2 538548 B 2002175340 A1	03-10-2002 06-11-2002 02-10-2002 21-06-2003 28-11-2002
EP 1041610	A	04-10-2000	CA EP US US US CN WO TW	2311132 A1 1041610 A1 6693021 B1 2004089222 A1 2004072410 A1 1283306 A 9923693 A1 591699 B	14-05-1999 04-10-2000 17-02-2004 13-05-2004 15-04-2004 07-02-2001 14-05-1999 11-06-2004
US 5919305	A	06-07-1999	EP EP JP JP WO WO US	1007768 A2 1007771 A1 2002510275 T 2002511831 T 9901593 A2 9901594 A1 6146457 A	14-06-2000 14-06-2000 02-04-2002 16-04-2002 14-01-1999 14-01-1999 14-11-2000
US 6559075	B1	06-05-2003	DE WO EP JP TW US US	19640594 A1 9814986 A1 0931332 A1 2001501778 T 409295 B 2003104678 A1 2004072382 A1	02-04-1998 09-04-1998 28-07-1999 06-02-2001 21-10-2000 05-06-2003 15-04-2004
WO 03062507	A	31-07-2003	FR WO EP US	2835096 A1 03062507 A2 1468128 A2 2004023468 A1	25-07-2003 31-07-2003 20-10-2004 05-02-2004
US 2002182889	A1	05-12-2002	WO	2004053965 A1	24-06-2004
US 6071795	A	06-06-2000	US	6420242 B1	16-07-2002
US 6146457	A	14-11-2000	EP EP JP JP WO WO US	1007768 A2 1007771 A1 2002510275 T 2002511831 T 9901593 A2 9901594 A1 5919305 A	14-06-2000 14-06-2000 02-04-2002 16-04-2002 14-01-1999 14-01-1999 06-07-1999

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/002416

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003024472	A1 06-02-2003	US 2003183158 A1	02-10-2003